CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.07/NNS/CEMENT/2014-15 Date: 05.07.2014

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. N.N. Srinivasaiah**, Contractor, Bangalore.
NAME OF THE WORK	:	Construction of school building in Byatarayanapura Govt. School in Ward No. 07 (Byatarayanapura) Kodigehalli Sub Division (Sub estimate for Dismantling of old toilet building and staircase grill (construction of plat form) for Govt. School building at Byatarayanapura in Ward No. 07), BBMP, Bangalore.
REFERENCE	:	EE/BTP/BBMP/E-TND/254/2013-14 Dated: 23.01.2014
SAMPLE ID	:	CEMENT
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	185 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	490 Minutes	Not More than 600 Minutes
2	Soundness by the Le-Chatelier method	IS-4031 (Part 3)	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	26.50 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CTCE/BBMP/W.No.07/NNS/SAND/2014-15 : 05.07.2014

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah**, Contractor, Bangalore.

Name of Work : Construction of school building in Byatarayanapura Govt. School in Ward No. 07 (Byatarayanapura) Kodigehalli Sub Division (Sub estimate for Dismantling of old toilet building and staircase grill (construction of plat form) for Govt. School building at Byatarayanapura in Ward No. 07), BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-TND/254/2013-14 Dated: 23.01.2014

Date of Testing : 05.07.2014

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	87	8.70	8.70	91.3	90-100
2.36	123	12.30	21.00	79.0	75-100
1.18	215	21.50	42.50	57.5	55-90
600 Micron	186	18.60	61.10	38.9	35-59
300 Micron	245	24.50	85.60	14.4	8-30
150 Micron	118	11.80	97.40	2.6	0-10

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Job No.: CTCE/BBMP/W.No.07/NNS/SAND/2014-15 : 05.07.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah**, Contractor, Bangalore.

Name of Work : Construction of school building in Byatarayanapura Govt. School in Ward No. 07 (Byatarayanapura) Kodigehalli Sub Division (Sub estimate for Dismantling of old toilet building and staircase grill (construction of plat form) for Govt. School building at Byatarayanapura in Ward No. 07), BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-TND/254/2013-14 Dated: 23.01.2014

Date of Testing : 05.07.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **25100**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	847	3.37	3.37	96.63	95-100
20	16332	65.07	68.44	31.56	30-70
10	5134	20.45	88.90	11.10	10-35
4.75	2394	9.54	98.43	1.57	0-5

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